

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-15 and ADD claims 16-19 in accordance with the following:

1. (currently amended) ~~Network-A network~~ switching unit (~~I-GATE~~) for a communication system (~~PBX~~), [[--]] comprising:
 - ~~at least one-a~~ data network line unit (~~LAN-AE~~) comprising a data network interface (~~LANS~~) for ~~the-a~~ connection to a local data network; (~~LAN~~),—comprising
 - a signaling unit (~~SE~~) for ~~the-a~~ connection to a control unit (~~STE~~) of ~~the-said~~ communication system; (~~PBX~~),—comprising ~~at least one~~
 - a PCM line unit (PCM-AE) comprising a bi-directional time-division multiplex-oriented PCM interface (PCMS) for ~~the-a~~ connection to a switching network module (KN) of ~~the-said~~ communication system, said PCM line unit comprising: (~~PBX~~), that—comprising
 - an assembly switching network module (~~BG-KN~~) for switching payload connections conducted over ~~the-said~~ PCM interface; and (PCMS),—
 - a DTMF recognition unit (DTMF) for ~~the-an~~ identification and analysis of control information received via ~~the-said~~ payload connections in ~~the-a~~ form of DTMF signals,—
comprising; and
 - a conversion unit (MH) that is connected to ~~the-said~~ data network line unit (LAN-AE), to ~~the-said~~ signaling unit (SE) and to ~~the-said~~ PCM line unit, said conversion unit comprising: (PCM-AE), and that comprises
 - an evaluation unit (BW-R) for routing information that produces an evaluation result; comprises
 - a switching unit (V/M-R) for the communication of communicating data packets dependent depending on the evaluation result[[,]]; and—comprises
 - a protocol conversion unit (KV-R) for ~~the-a~~ protocol-suited conversion of the data packets.

2. (currently amended) Arrangement A network switching unit according to claim 1, characterized in that the wherein said network switching unit (IGATE) is fashioned as a subscriber line assembly of the said communication system (PBX).

3. (currently amended) Arrangement A network switching unit according to claim 1 or 2, characterized in that the wherein said switching unit (AM-R) comprises means is configured for the communication of communicating the data packets: a) [[--]] between internal communication terminal devices (KE3, KE4) connected to the said communication system (PBX) and the said local network (LAN), and b) [[--]] between external terminal devices that are connected to further interconnected communication systems (KW1, KE2) forming a communication network and the said local network (LAN).

4. (currently amended) Arrangement A network switching unit according to one of the preceding claims, characterized in that the claim 1, wherein said communication network (KO) is a digital or an analog communication network.

5. (currently amended) Arrangement A network switching unit according to claim 4, characterized in that the wherein said communication network (KO) is a line-bound and/or a radio communication network.

6. (currently amended) Arrangement A network switching unit according to one of the preceding claims, characterized in that an claim 1, further comprising:

a non-volatile memory in which a LAN identifier information (mac) serving for the identification of the identifying said data network interface (LANS) within the said local data network (LAN) is stored in a non-volatile memory (PROM) arranged on the network switching unit (IGATE); and

a volatile memory comprising:

a first sub area in which logical network identifier information (ipag) for identifying the said data network interface (LANS) and communication terminal devices connected to the local data network (LAN) is stored in a first sub-area (SP1) of a memory arranged on the network switching unit (IGATE); and

a second sub area in which a communication network identifier information (rnw) for the identification of the identifying said network switching unit (IGATE) within the said communication network (KO) is stored in a second sub-area (SP2) of the memory SPF).

7. (currently amended) Arrangement A network switching unit according to claim 6, characterized in that wherein:

the LAN identifier information (mac) is an interface-related LAN address whose presence is standard;

the logical network identifier information (ipag) is an Internet protocol address whose presence is standard; and

the communication network identifier information (rnw) is a communication network telephone number.

8. (currently amended) Arrangement A network switching unit according to claim 6, wherein said volatile memory further comprises: or 7, characterized in that

a third sub area in which further logical network identifier information (ipe1,...,ipek) of further local data networks are stored in a third sub-area (SP3) of the memory (SPF); and

a fourth sub area in which further communication network identifier information (rn1,...,rnk) are stored, in a fourth sub-area (SP4) of the memory (SPF), whereby a further logical network identifier information (ipe1,...,ipek) and being respectively allocated to a further logical communication network identifier information (rn1,...,rnk) are respectively allocated to one another.

9. (currently amended) Arrangement A network switching unit according to claim 8, further comprising:

a further conversion unit characterized in that, for communicating the communication of data packets via the said communication network (KO), the network switching unit (IGATE) comprises a further conversion unit (KNK-R) used for converting the logical network identifier information (ipe1,...,ipek) into a communication network identifier information (rn1,...,rnk).

10. (currently amended) Arrangement A network switching unit according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises claim 1, further comprising:

a security unit (FWALL) for checking the routing information communicated to the said network switching unit (IGATE) in view of an admissibility for a communication connection between the a source and destination means device identified by an appertaining routing information.

11. (currently amended) Arrangement-A network switching unit according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises claim 1, further comprising:

a protocol unit (PROT) for protected and/or transmission protocol-conforming communication of data packets dependent on a selected transmission protocol.

12. (currently amended) Arrangement-A network switching unit according to claim 3, further comprising: through claim 11, characterized in that the network switching unit (IGATE) comprises

an output unit (-SA) for the communication of communicating stored messages to an external terminal device (KE2); and in that the messages are output in the-a form of an announcement and/or an optical display at the said external terminal device (KE1).

13. (currently amended) Arrangement-A network switching unit according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises at least one claim 1, further comprising:

a fictitious terminal port (FP), whereby by which a redirection to the said fictitious terminal port (FP) is established for a call directed to an internal terminal device (KE4) in the-a framework of a teleworking logon of an external terminal device (KE1) for the purpose of an assumption of the assuming a function of the said internal terminal device (KE4).

14. (currently amended) Arrangement-A network switching unit according to claim 13, characterized in that the network switching unit (IGATE) comprises at least one further comprising:

a further fictitious terminal port (RP), whereby in which a connection setup between an external terminal device (KE1) and the said further fictitious terminal port (RP) is provided in the a framework of a call initiated from the said external terminal device (KE1) to a further terminal device or from the said further terminal device to the said external terminal device (KE1).

15. (currently amended) Arrangement-A network switching unit according to claim 13, wherein said er 14, characterized in that the further terminal device is an internal terminal device or an external terminal device.

16. (new) A network switching unit according to claim 4, further comprising:
an output unit for communicating stored messages to an external terminal device that are output in a form of an announcement or an optical display at said external terminal device.
17. (new) A network switching unit according to claim 6, further comprising:
an output unit for communicating stored messages to an external terminal device that are output in a form of an announcement or an optical display at said external terminal device.
18. (new) A network switching unit according to claim 10, further comprising:
an output unit for communicating stored messages to an external terminal device that are output in a form of an announcement or an optical display at said external terminal device.
19. (new) A network switching unit according to claim 11, further comprising:
an output unit for communicating stored messages to an external terminal device that are output in a form of an announcement or an optical display at said external terminal device.